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WOULD YOU PLEASE STATE YOUR NAME. **ADDRESS** AND OCCUPATION?

- C. Sharpe, III, 111 Doctors Circle, A. Raymond Columbia, South Carolina. I am employed by the Public Service Commission South of Carolina, Utilities Department as a Senior Public Utilities Rate Analyst.
- WOULD YOU PLEASE STATE YOUR EDUCATIONAL BACKGROUND Q. AND YOUR BUSINESS EXPERIENCE?
- I received a Bachelor of Arts Degree from the Α. University of South Carolina in Columbia in 1983. I was employed by this Commission in 1984 as Utilities Field Representative in the Water and Wastewater Department and was later promoted to In 1990, I was promoted to Utilities Rate Analyst. my current position as a Senior Rate Analyst in the Electric Department. I have attended professional to Utility seminars relating Rate Design, Depreciation and Integrated Resource Planning

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have testified before this Commission in conjunction with complaints, electric fuel cost cases and general rate case proceedings for Water, Wastewater and Electric Utilities.

- Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?
- A. The purpose of my testimony is to summarize Staff's findings and recommendations as set forth in the Utilities Department's portion of the Staff Report.
- Q. MR. SHARPE, WHAT SPECIFIC AREAS WERE ENCOMPASSED BY STAFF'S EXAMINATION?
- The Utilities Department's examination of the Α. Company's fuel operations consists of a review of the Company's monthly operating reports. the currently approved adjustment for fuel costs Rider and review of the Company's short-term kilowatt-hour sales and fuel projections οf requirements.
- Q. DID STAFF EXAMINE THE COMPANY'S PLANT OPERATIONS FOR THE PERIOD?
- A. Yes, we reviewed the Company's operation of its generating facilities including special attention to the nuclear plant operations to determine if the Company made every reasonable effort to minimize fuel costs. During the last fuel proceeding, Staff

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did not have all the documentation to review the Robinson Unit #2 outage commencing on June 30, 1995 and this Commission granted permission to include this outage in this review period.

- Q. HAVE YOU DETERMINED THAT ANY SITUATIONS WARRANT
 DETERMINATION THAT THE COMPANY HAS ACTED
 UNREASONABLY IN OPERATING ITS FACILITIES AND BY SO
 DOING HAS CAUSED ITS CUSTOMERS TO BE SUBJECT TO
 PAYING HIGHER FUEL COSTS?
- No. the Company's generating facilities, A. particularly the four Nuclear Units, operated well These nuclear during the period under review. units averaged 85.5% capacity factor for the period, included a refueling for the Harris Unit 1. which There were no fines levied by the NRC against Company during this period, but of particular note Notice of Violation associated with the was 21, 1995 outage at the Harris plant. The October was cited for 'Failure to Provide Adequate Company Instructions for Repairing Isolation Valve Pressure Staff's analysis of this event Sealing Surfaces'. indicates that 'Skill of the Craft' was used to maintenance on one of three Feedwater perform the Isolation Valves (FWIV) during previous 1995. outage which ended on October 12, refueling

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The valve was tested for operability after initial maintenance and found to be operating properly. Subsequently, as the Unit was being brought pressure and temperature, a leak was detected at the valve, additional torquing temporarily eliminated the unit was brought to full leaking, but as the It was monitored for about power the leak resumed. days at which point the Company decided to take the unit off-line to make necessary repairs. Even though there were no written procedures, the techniques and steps were followed as they had been for each of the refueling outages since the unit commenced operation in 1987 with no symptom of the problem that emerged. Therefore, at the time all probability, any written instructions would mirrored the actual procedures that were have followed bν the maintenance personnel. The NRC report stated the safety inspection also event significance of this was minimal, the resulting leak was minor and the Company's actions surrounding this situation were conservative. examined against the standard that the utility must it took reasonable steps to safeguard against in contrast to showing that its conduct was error free from human error, this event does not warrant a

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recommendation of a disallowance of fuel costs. The major fossil units averaged over 90% availability for the majority of the period under review as indicated on Utilities Department Exhibit No. 1.

- Q. WOULD YOU BRIEFLY EXPLAIN THE REMAINING UTILITIES
 DEPARTMENT'S EXHIBITS?
- Exhibit No. 2 shows the Company's Unit Outages for A. July 1995 through December 1995, of the months listing the plants by unit, duration of the outage, reason for the outage, and corrective action taken. Company's percentage 3 lists the Exhibit No. Generation Mix by fossil, nuclear, and hydro for the period July 1995 through December 1995. Exhibit No. reflects the Company's major plants by name, type fuel used, average fuel cost in cents per KWH to and total megawatt-hours generated for the operate. Exhibit No. 5 shows 6 months ending December 1995. comparison of the Company's original a estimated sales to the actual sales megawatt-hour the period under review. Exhibit No. 6 is a comparison of the original fuel factor projections the factors actually experienced for the six ending December 1995. Exhibit No. 7 months representation of the data in Exhibit No. graphical including historical and projected data for the

period January 1995 through December 1996. Exhibit No. 8 is the Company's currently approved Retail Adjustment for Fuel Costs tariff. Exhibit No. 9 is a history of the cumulative recovery account. Exhibit No. 10 is a table of estimates for the cumulative recovery account balance for various base levels of fuel factors for the period ending September 1996.

- Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- A. Yes, it does.